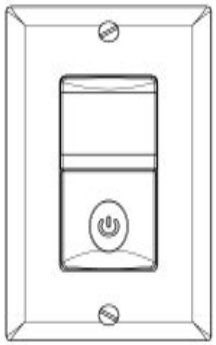
INSTALLATION INSTRUCTIONS

ENERLITES®

HMOS

OCCUPANCY / VACANCY (2-IN-1)
SENSOR SWITCH



SPECIFICATIONS

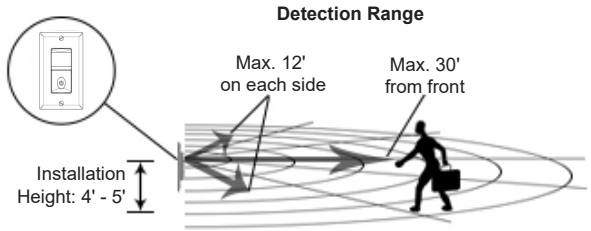
Voltage	120,60Hz
Resistive	5A
Incandescent	500W
Ballast	800VA@120VAC
Motor	1/8Hp
Time Delay	15Sec, 15Mins, 30Mins
Default Light Level	30 Lux--Daylight
Operation Temperature	32° F--131° F

DESCRIPTION

The HMOS uses advanced passive infrared sensor to detect heat emitted motion. The sensor switch can turn on a load and keep it on as long as it detects motion. The sensor will automatically shut off the load at the end of the selected time delay. The countdown of the selected time delay starts after the last motion detected. The sensor is customizable with switches that can adjust ***Time Delay*** and ***Occupancy/ Vacancy*** modes.

COVERAGE

As illustrated below, The HMOS has a 180° detection range with a maximum distance of 30' detection in front of the sensor and 12' on the sides providing 700 sq. ft. of coverage. For maximum results, the sensor must be properly installed between the height of 4' to 5' and away from obstructions such as walls, furniture and transparent barriers like Low-E glass.



WARNING

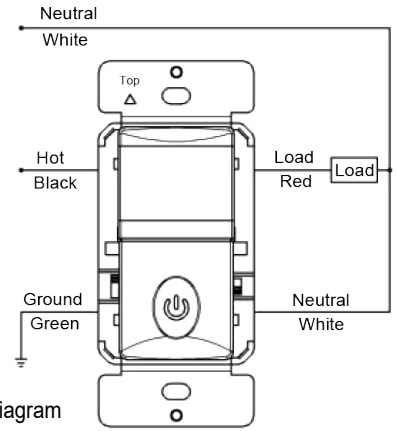
Turn the POWER OFF at the circuit breaker before installing the sensor

Read and understand these instructions before installing. This device is intended for installation in accordance with the National Electric Code and local regulations. It is recommended that a qualified electrician performs this installation. Make sure to turn off the circuit breaker or fuse(s) and make sure power is off before wiring the device.

Use copper wires only.

WIRING DIRECTIONS

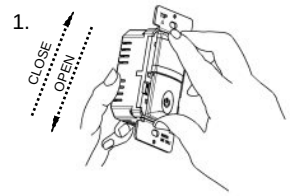
1. Connect RED wire from sensor to the LOAD wire.
2. Connect BLACK wire from sensor to the HOT wire.
3. Connect WHITE wire from sensor to the NEUTRAL wire. NEUTRAL WIRE IS REQUIRED.
4. Connect GREEN wire from sensor to the GROUND wire.



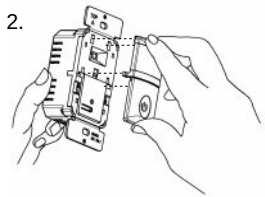
Wiring Diagram

COLOR CHANGE

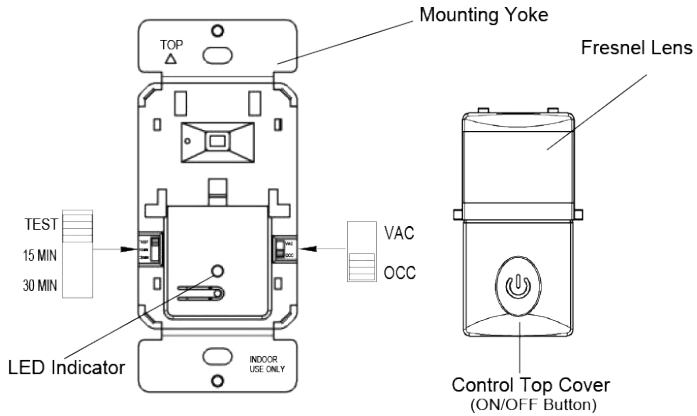
The face cover of the sensor is changeable. To change out the cover:



Slide down top cover to release



Line up tabs and slide up to attach



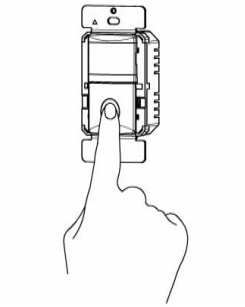
Time switch
Located on the left, this switch adjusts the time delay. Default position: 15 Seconds (Test mode) Selectable: Test (15secs), 15mins, 30mins.

OPERATION

Mode Switch: AUTO/ OCCupancy/ VACancy

Mode	Position	Description	Push-Button Function
OCC	DOWN	Occupancy Mode: Automatic On, automatic Off after set time delay.	Manually toggles On / Off the load.
VAC	UP	Vacancy Mode: Manual On only, automatic Off after set time delay.	Manually toggles On / Off the load.

Manual ON/OFF Button: In OCC or VAC mode, The push button may be used to manually turn ON/OFF the load and time delay will take effect. There is a 5 seconds reset delay after each push of the button to trigger the ON/OFF.



***OCC*upancy position:** When the ambient light level is reached, the Load will automatically turn ON when motion is detected and automatically turn OFF when the selected time delay has expired.

***VAC*ancy position:** The Load will turn ON ONLY when the push button is used and automatically turns OFF when the selected time delay has expired. If the time delay has expired and the Load turns OFF, the Load will turn ON again automatically if motion is detected within 30 seconds.

TROUBLESHOOTING

NOTE: There is a 3 minute warm-up time at initial power-up. The load may turn on/off several times during the warm-up.

The Load does not turn On when a person walks in the room:

1. Make sure power is turned on at the panel.
2. Make sure a GFCI switch nearby or at the panel is not tripped.
3. Push Manual On/Off Button, if the load turns On; reset the Ambient Light Level.
4. Check the wiring connection for loose wire cap.
5. Switch may be in VACancy mode. Select the OCC position on the Mode Switch if "Auto ON" is what's desired.

The Load does not turn Off:

1. Motion may be detected. The time delay constantly restarts its countdown after the last motion detected. To verify proper operation, switch the Time Delay to 15s (Test Mode) and make sure there is no motion (no LED flashing). Tape may be used to cover the fresnel lens while testing.
2. Check for significant heat source emitting within six feet (two meters) such as high wattage light bulb, portable heaters or HAVC vents.
3. Check the wiring. Make sure the HOT and LOAD wires aren't reversed.

The Load turns on when its not desired:

1. Motion may be detected. The time delay constantly restarts its countdown after the last motion detected. To verify proper operation, turn the Time Delay Knob to 15s (Test Mode) and make sure there is no motion (no LED flashing). Tape may be used to cover the fresnel lens while testing.
2. Check for significant heat source emitting within six feet (two meters) such as high wattage light bulb, portable heaters or HAVC vents.
3. If Manual operation of push-button is desired, select VAC mode on the Mode Switch.

WARRANTY INFORMATION

This device is warranted to be free of material and workmanship defects for 2 years from the date of purchase. Original receipt or proof of purchase from an authorized retailer must be presented upon warranty claim. ALL claims must be verified and approved by Enerlites, Inc. Warranties from other Enerlites products may vary. This warranty is nontransferable and does not cover normal wear and tear or any malfunction, failure, or defect resulting from misuse, abuse, neglect, alteration, modification, or improper installation. To the fullest extent permitted by the applicable state law, Enerlites shall not be liable to the purchaser or end user customer of Enerlites products for direct, indirect, incidental, or consequential damages even if Enerlites has been advised of the possibility of such damages. Enerlites' total liability under this or any other warranty, express or implied, is limited to repair, replacement or refund. Repair, replacement or refund are the sole and exclusive remedies for breach of warranty or any other legal theory.

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